

Abstract

The invention concerns an environment-friendly composition containing (A) at least one crystalline polycaprolactone (PCL) or a mixture of such polycaprolactones and (B) at least one wax having a melting point in the region between 50°C and 180°C or a mixture of such waxes and (C) optional further additives. The inventive composition is characterized in that the wax of the component (B) is selected from the group of castor wax, i.e. partially or completely hardened (hydrated) castor oil and/or triglycerides of partially or completely hydrated mono-, di- and/or trihydroxy carboxylic acids and carboxylic acids and/or triglycerides of partially or completely hydroxylated di-, tri- and/or polyhydroxy carboxylic acids and carboxylic acids and/or hydroxy carboxylic acid amides and/or hydroxy carboxylic acid salts, wherein the weight ratio between the component (A) and the component (B) is in the region of between approximately 05:95 and 95:05. The invention also proposes objects made from such a composition and methods for their production.